

OCEAN COUNTY

REFERENCE TIDE GAUGE - ATLANTIC CITY

There is no National Ocean Service tide gauge in Ocean County. As a result, the Atlantic City tide gauge is being used as the reference for the county. The gauge is located on the oceanfront in Atlantic City.

Oceanfront

The time difference between the high and low tides along the county's oceanfront and those at the Atlantic City gauge is generally less than 15 minutes.

Back bays

The back bays of Ocean County (from north to south) are Barnegat Bay, Silver Bay, Manahawkin Bay, Little Egg Harbor and Great Bay.

High and low tides on the back bays of Ocean County occur up to around 5 hours later than the high and low tides at the Atlantic City gauge. The greatest time differences occur at the north end of Barnegat Bay near Mantoloking.

The back bays present a problem during prolonged periods of onshore flow. For each successive tide cycle that the back bays are not allowed to drain, the tidal departures increase.

Data Acquisition

In order to access data from the Atlantic City gauge, use the National Ocean Service web site at <http://tidesonline.nos.noaa.gov/> or the Advanced Hydrologic Prediction Service site at <http://water.weather.gov/ahps2/index.php?wfo=phi>.

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The tide heights from actual events referenced in the following table are those that were verified by the National Ocean Service.

In the table an asterisk (*) indicates that location experiences back bay type flooding. Being that the reference gauge is on the oceanfront, the tide level associated with that particular location may vary somewhat from event to event based on the number of tide cycles during which there is an onshore flow.

THE PERIOD OF RECORD FOR THE ATLANTIC CITY GAUGE BEGINS IN AUGUST 1911. PLEASE NOTE THAT THERE ARE GAPS WITHIN THE PERIOD OF RECORD DUE TO EQUIPMENT OUTAGES AND/OR DATA AVAILABILITY.

ALL HEIGHTS ARE IN MEAN LOWER LOW WATER (MLLW).

- 9.0 FT — December 11, 1992.
- 8.8 FT — September 14, 1944 (Hurricane) / October 29, 2012 (Post Tropical Cyclone Sandy).
- 8.6 FT — September 27, 1985 (Hurricane Gloria) / October 31, 1991.
- 8.4 FT — March 6, 1962 / August 9, 1976 (Hurricane Belle).
- 8.2 FT — November 25, 1950.
- 8.0 FT — MAJOR TIDAL FLOODING BEGINS.**
March 29, 1984.
- 7.8 FT — October 25, 1980 / January 4, 1992.
- 7.6 FT — January 2, 1987 / March 19, 1996.
- 7.5 FT — October 14, 1977 / March 2, 1994 / June 4, 2012.
- 7.4 FT — December 22, 1972 / October 18, 2009.
- 7.3 FT — October 23, 1953 / December 20, 1995 / October 7, 2006 / November 13, 2009.
- 7.2 FT — September 12, 1960 (Hurricane Donna) / October 22, 1961 / December 9, 1973 / September 25, 1977 / September 26, 1992 (Tropical Storm Danielle) / November 14, 1997 / February 5, 1998 / October 29, 2011 / January 3, 2014.
- 7.1 FT — November 1, 1947 / January 23, 1966 / February 19, 1972 / November 15, 1981 / December 13, 1996 / January 28, 1998 / January 25, 2000 / January 3, 2003 / December 11, 2003 / May 25, 2005 / January 31, 2006.
- 7.0 FT — MODERATE TIDAL FLOODING BEGINS.**
November 30, 1944 / August 28, 1971 (Tropical Storm Doria) / December 2, 1974 / February 26, 1979 / January 10, 1993 / December 6, 1996 / December 25, 2002 / May 12, 2008 / March 9, 2013 / December 9, 2014.
Flooding occurs on Barnegat Avenue and Central Avenue in Surf City*.
Extensive flooding occurs on Long Beach Boulevard from Ship Bottom to Beach Haven*.
- 6.8 FT — Flooding occurs along local roads in Ocean Gate*, including Bay View Avenue.
Flooding occurs along local roads in Mystic Islands (Little Egg Harbor Township*).
- 6.6 FT — **In eastern Burlington County** - Flooding begins in Green Bank and Lower Bank (both in Washington Township*).
In eastern Burlington County - Flooding begins around the Burlington County Route 542 bridge at Wading River*.

- 6.4 FT — Flooding begins in Brick Township*, Dover Township*, Beachwood*, Berkeley Township*, Lacey Township* and Ocean Township*. Flooding occurs along local roads in Barnegat Township*, including Bay Shore Drive and East Bay Avenue. Bayside flooding occurs in Harvey Cedars*. Flooding occurs at the east end of the NJ Route 72 bridge in Ship Bottom*. Flooding occurs along local roads in Tuckerton*, including South Green Street.
- 6.3 FT — COASTAL FLOOD ADVISORY THRESHOLD.**
- 6.2 FT — Flooding occurs in Point Pleasant Beach* along NJ Route 35 at Broadway. Flooding begins in communities from Point Pleasant* to Seaside Park*. Flooding occurs along local roads in Stafford Township* (Beach Haven West and Cedar Bonnets Islands). Flooding begins in Surf City*, Ship Bottom* (along Long Beach Boulevard) and in the communities on the south half of Long Beach Island (including Beach Haven*).
- 6.0 FT — MINOR TIDAL FLOODING BEGINS.**
- 2.0 FT — LOW WATER ADVISORY THRESHOLD.**
- 3.0 FT — November 19, 1911 / December 26, 1924 / February 21, 1928 / January 22, 1947 / February 16, 1953 / April 14, 1953 / January 2, 1969 / February 8, 1985.
- 3.1 FT — April 2, 1923 / January 23, 1925 / February 4, 1927 / December 30, 1928 / February 14, 1930 / December 7, 1931 / January 28, 1932 / March 9, 2005.
- 3.2 FT — December 28, 1911 / December 28, 1912 / February 15, 1923 / December 1, 1929 / January 25, 1939 / March 7, 1939 / February 15, 1946 / February 26, 1956 / January 28, 1963 / December 1, 1963 / March 17, 1976 / December 22, 1976.
- 3.3 FT — March 3, 1912 / November 25, 1912 / December 8, 1913 / January 7, 1924 / January 23, 1924 / February 14, 1942 / March 5, 1954 / November 30, 1958.
- 3.4 FT — March 7, 1913 / January 14, 1918 / March 28, 1919 / March 7, 1920 / March 3, 1950 / March 28, 1955 / December 31, 1962 / December 10, 1977 / March 16, 1980.
- 3.5 FT — March 11, 1933 / December 20, 1934 / March 19, 1941 / October 26, 1980.
- 3.6 FT — December 1, 1944 / November 30, 1955.
- 3.7 FT — January 6, 1912 / February 27, 1925 / February 10, 1933 / March 24, 1940 / February 8, 1951 / February 25, 1967.
- 3.8 FT — February 23, 1912 / November 17, 1925 / December 28, 1925 / December 26, 1966.

- 3.9 FT — January 4, 1913 / January 29, 1926.
- 4.0 FT — January 26, 1928 / January 31, 1966.
- 4.1 FT — January 25, 1936 / February 2, 1976.
- 4.2 FT — March 8, 1932.
- 5.2 FT — January 10, 1978.